

Sadie, a bear at the zoo, weighs 182 kilograms. Her cub weighs 74 kilograms.

- a. Estimate the total weight of Sadie and her cub using whatever method you think best. Hint: round to the nearest ten.

- b. What is the actual weight of Sadie and her cub? Use the standard algorithm.

Insert a picture of your work. It should include:

1. Standard algorithm using the place value chart
2. Regrouping
3. Rounding to estimate the sum
4. Correct unit of measurement



Insert → Image → Camera

Drag & drop if applicable.

## Self-Assessment Checklist

<input type="radio"/>		<input style="border: 2px solid red;" type="checkbox"/>	<p style="color: red;">I estimated the sum by rounding to the nearest ten.</p>
		<input style="border: 2px solid brown;" type="checkbox"/>	<p style="color: brown;">I found the actual sum by using the standard algorithm.</p>
<input type="radio"/>		<input style="border: 2px solid orange;" type="checkbox"/>	<p style="color: orange;">I used a place value chart and regrouped.</p>
		<input style="border: 2px solid green;" type="checkbox"/>	<p style="color: green;">I included the unit of measurement for each answer.</p>
<input type="radio"/>		<input style="border: 2px solid blue;" type="checkbox"/>	<p style="color: blue;">I completed all parts (a &amp; b) of the problem.</p>

CATEGORY	4	3	2	1
<b>Mathematical Concepts</b> 	Students' work shows complete understanding of both estimating and finding the exact sum of two measurements.	Students' work shows substantial understanding of both estimating and finding the exact sum of two measurements.	Students' work shows some understanding of both estimating and finding the exact sum of two measurements.	Students' work shows very limited understanding of both estimating and finding the exact sum of two measurements OR is not attempted.
<b>Strategy/Procedures</b> 	Student correctly implements a place value chart and regroupes successfully when using the standard algorithm for addition. Student successfully estimates the sum of two measurements by rounding. Student identifies the correct unit of measurement.	Student implements a place value chart and regroupes successfully when using the standard algorithm for addition. Student does not successfully round to find the estimated sum. Student identifies the correct unit of measurement.	Student implements a place value chart when using the standard algorithm for addition. Student attempts regrouping. Student attempts to round numbers to find the estimated sum. Student does not identify units of measurement.	Student does not use a place value chart to solve. Student attempts regrouping. Student attempts to round numbers to find the estimated sum. Student does not identify units of measurement.
<b>Completion</b> 	Student completes both parts of the problem (a and b) independently.	Student completes most of the problem independently.	Student completes some of the problem independently.	Student starts the problem and does not finish OR does not complete the problem independently.
<b>Accuracy</b> 	Student solves all parts of the problem correctly.	Student solves most of the problem correctly.	Student completes some of the problem correctly.	Student does not answer any parts of the problem correctly, without assistance.